

L Number	Hits	Search Text	DB	Time stamp
2	17	(US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.	USPAT	2002/06/27 07:10
3	14	("4544989" "5353498" "5422513" "5497033" "5527741" "5650662" "5701032" "5703400" "5745984" "5784780" "5868887" "6011694" "6020637" "6025995").PN.	USPAT	2002/06/27 07:17
4	8	("4783695" "5108825" "5169678" "5255431" "5353498" "5388328" "5546654" "5564181").PN.	USPAT	2002/06/27 07:18
5	187	4783695.URPN.	USPAT	2002/06/27 07:21
6	12	("4670770" "4783695" "4884122" "4933042" "4949148" "5019535" "5173759" "5353498" "5373627" "5532519" "6025638" "6040204").PN.	USPAT	2002/06/27 07:27
7	187	4783695.URPN.	USPAT	2002/06/27 07:30
8	12	("3290756" "3501832" "3679941" "3691628" "3702025" "4300153" "4347306" "4426773" "4588468" "4613891" "4617085" "4677528").PN.	USPAT	2002/06/27 07:30
10	8	("4783695" "5108825" "5169678" "5255431" "5353498" "5388328" "5546654" "5564181").PN.	USPAT	2002/06/27 07:31
11	29	5527741.URPN.	USPAT	2002/06/27 07:32
12	0	6239482.URPN.	USPAT	2002/06/27 07:34
13	18	("4096521" "4835704" "4894115" "5250843" "5324687" "5353498" "5359496" "5434751" "5497033" "5527741" "5532512" "5569487" "5637922" "5675310" "5683928" "5703400" "5736448" "5888837").PN.	USPAT	2002/06/27 07:34
14	44	5250843.URPN.	USPAT	2002/06/27 07:38
15	14	("4544989" "5353498" "5422513" "5497033" "5527741" "5650662" "5701032" "5703400" "5745984" "5784780" "5868887" "6011694" "6020637" "6025995").PN.	USPAT	2002/06/27 07:43
16	4486	(chip adj sized adj package) (chip adj scale adj package) csp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 08:28
17	87	((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 08:44
18	23	5627405.URPN.	USPAT	2002/06/27 08:30
19	8	("5162262" "5261593" "5646439" "5847466" "5892271" "6075710" "6104081" "6249046").PN.	USPAT	2002/06/27 08:38
20	137	((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 08:45

22	117	(((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 08:45
21	117	(((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:00
23	0	6396148.URPN.	USPAT	2002/06/27 08:50
24	4	("5646068" "5841193" "6111317" "6187680").PN.	USPAT	2002/06/27 08:50
25	117	16not ((((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:00
26	4369	(((((chip adj sized adj package) (chip adj scale adj package) csp) not ((((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:01
27	2082	(((((chip adj sized adj package) (chip adj scale adj package) csp) not ((((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and (bump ball)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:35

28	413	(((((chip adj sized adj package) (chip adj scale adj package) csp) not (((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and (bump ball)) and nickel	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:02
29	6	(((((chip adj sized adj package) (chip adj scale adj package) csp) not (((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and (bump ball)) and nickel) and (semiconductor adj module)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:03
30	187	4783695.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:03
31	18	(((((chip adj sized adj package) (chip adj scale adj package) csp) not (((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and (bump ball)) and (semiconductor adj module)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:03
32	9	((((chip adj sized adj package) (chip adj scale adj package) csp) not (((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and ((bump ball) with ((pad land) near3 nickel))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:53

33	3324	elastic near3 (bump ball)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:53
34	4979	rubber near3 (bump ball)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:54
35	8043	((elastic near3 (bump ball)) (rubber near3 (bump ball)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:54
36	2	"6137062"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 10:01
37	0	6137062.URPN.	USPAT	2002/06/27 09:54
38	12	("4807021" "5216278" "5220200" "5233504" "5250848" "5504277" "5598036" "5714801" "5717245" "5726493" "5740606" "6011694").PN.	USPAT	2002/06/27 09:54
39	70	4807021.URPN.	USPAT	2002/06/27 09:56
40	9	("3212160" "4600600" "4807021" "4899107" "5071787" "5143865" "5289346" "5341564" "5348607").PN.	USPAT	2002/06/27 09:59
42	135	((elastic near3 (bump ball)) (rubber near3 (bump ball))) and (semiconductor near1 (device package))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 10:02
43	121	((((elastic near3 (bump ball)) (rubber near3 (bump ball))) and (semiconductor near1 (device package))) and (substrate film base)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 10:03
44	74	(((((elastic near3 (bump ball)) (rubber near3 (bump ball))) and (semiconductor near1 (device package))) and (substrate film base)) and (hole opening)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 10:22
45	5	"6242282"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 10:22
46	50	"5250843"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 10:22
47	1	"6396148"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 10:23
48	4	"6239980"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 10:23

50	33	(US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$ or US-5745984-\$ or US-5564181-\$ or US-5353498-\$ or US-6396153-\$ or US-6242282-\$ or US-6239980-\$ or US-6110806-\$ or US-5866952-\$ or US-5527741-\$).did. or (US-6239482-\$ or US-5250843-\$ or US-6159767-\$ or US-5841193-\$ or US-5497033-\$ or US-6396148-\$ or US-5496775-\$).did.	USPAT	2002/06/27 10:23
49	74	"5353498"	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT	2002/06/27 10:23
51	13	5745984.URPN.	USPAT	2002/06/27 10:27
52	4	("5073814" "5353498" "5455459" "5476719").PN.	USPAT	2002/06/27 10:30

L Number	Hits	Search Text	DB	Time stamp
2	17	(US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.	USPAT	2002/06/27 07:10
3	14	("4544989" "5353498" "5422513" "5497033" "5527741" "5650662" "5701032" "5703400" "5745984" "5784780" "5868887" "6011694" "6020637" "6025995").PN.	USPAT	2002/06/27 07:17
4	8	("4783695" "5108825" "5169678" "5255431" "5353498" "5388328" "5546654" "5564181").PN.	USPAT	2002/06/27 07:18
5	187	4783695.URPN.	USPAT	2002/06/27 07:21
6	12	("4670770" "4783695" "4884122" "4933042" "4949148" "5019535" "5173759" "5353498" "5373627" "5532519" "6025638" "6040204").PN.	USPAT	2002/06/27 07:27
7	187	4783695.URPN.	USPAT	2002/06/27 07:30
8	12	("3290756" "3501832" "3679941" "3691628" "3702025" "4300153" "4347306" "4426773" "4588468" "4613891" "4617085" "4677528").PN.	USPAT	2002/06/27 07:30
10	8	("4783695" "5108825" "5169678" "5255431" "5353498" "5388328" "5546654" "5564181").PN.	USPAT	2002/06/27 07:31
11	29	5527741.URPN.	USPAT	2002/06/27 07:32
12	0	6239482.URPN.	USPAT	2002/06/27 07:34
13	18	("4096521" "4835704" "4894115" "5250843" "5324687" "5353498" "5359496" "5434751" "5497033" "5527741" "5532512" "5569487" "5637922" "5675310" "5683928" "5703400" "5736448" "5888837").PN.	USPAT	2002/06/27 07:34
14	44	5250843.URPN.	USPAT	2002/06/27 07:38
15	14	("4544989" "5353498" "5422513" "5497033" "5527741" "5650662" "5701032" "5703400" "5745984" "5784780" "5868887" "6011694" "6020637" "6025995").PN.	USPAT	2002/06/27 07:43
16	4486	(chip adj sized adj package) (chip adj scale adj package) csp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 08:28
17	87	((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 08:44
18	23	5627405.URPN.	USPAT	2002/06/27 08:30
19	8	("5162262" "5261593" "5646439" "5847466" "5892271" "6075710" "6104081" "6249046").PN.	USPAT	2002/06/27 08:38
20	137	((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 08:45

22	117	(((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 08:45
21	117	(((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:00
23	0	6396148.URPN.	USPAT	2002/06/27 08:50
24	4	("5646068" "5841193" "6111317" "6187680").PN.	USPAT	2002/06/27 08:50
25	117	16not ((((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:00
26	4369	((chip adj sized adj package) (chip adj scale adj package) csp) not ((((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:01
27	2082	(((((chip adj sized adj package) (chip adj scale adj package) csp) not ((((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and (bump ball))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:01

28	413	(((((chip adj sized adj package) (chip adj scale adj package) csp) not (((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and (bump ball)) and nickel	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:02
29	6	(((((chip adj sized adj package) (chip adj scale adj package) csp) not (((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and (bump ball)) and nickel) and (semiconductor adj module)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:03
30	187	4783695.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:03
31	18	(((((chip adj sized adj package) (chip adj scale adj package) csp) not (((((chip adj sized adj package) (chip adj scale adj package) csp) and (257/723 257/724)) not (((chip adj sized adj package) (chip adj scale adj package) csp) and 257/668)) not ((US-6271469-\$ or US-6265782-\$ or US-6268648-\$ or US-6249053-\$ or US-6230400-\$ or US-6154366-\$ or US-6181569-\$ or US-6118177-\$ or US-6114763-\$ or US-6054759-\$ or US-5990546-\$ or US-5627405-\$ or US-6228687-\$ or US-6201298-\$ or US-5872399-\$ or US-6117706-\$ or US-6200888-\$).did.))) and (bump ball)) and (semiconductor adj module)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/27 09:03